

DERWENT-ACC-NO: 1985-207051  
DERWENT-WEEK: 198534  
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TITLE: Stator for magnetic DC unit - has plastic magnet  
integrally moulded to  
prevent drop, movement or removal of plastic magnet NoAbstract  
Dwg 3/3

PATENT-ASSIGNEE: HITACHI LTD[HITA]

PRIORITY-DATA: 1983JP-0236276 (December 16, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES	MAIN-IPC		
JP 60131055 A	July 12, 1985	N/A	003
N/A			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP60131055A	N/A	1983JP-0236276
December 16, 1983		

INT-CL (IPC): H02K021/06; H02K023/04

ABSTRACTED-PUB-NO:

EQUIVALENT-ABSTRACTS:

TITLE-TERMS:

STATOR MAGNETIC DC UNIT PLASTIC MAGNET INTEGRAL MOULD PREVENT  
DROP MOVEMENT  
REMOVE PLASTIC MAGNET NOABSTRACT

ADDL-INDEXING-TERMS:

DIRECT CURRENT

DERWENT-CLASS: A85 V06

CPI-CODES: A12-E08;

EPI-CODES: V06-M02; V06-M07;

DERWENT-ACC-NO: 1989-055983  
DERWENT-WEEK: 198908  
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TITLE: Motor stator with encapsulated powder-based magnets - has openings in frame with bevelled profiles and filled by resin which encapsulates each pole magnet

INVENTOR: BROSSE, G

PATENT-ASSIGNEE: VALEO[VALO]

PRIORITY-DATA: 1987FR-0009162 (June 23, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
FR 2617344 A	December 30, 1988	N/A
N/A		011

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
FR 2617344A	N/A	1987FR-0009162
June 23, 1987		

INT-CL\_(IPC): H02K001/18; H02K021/06 ; H02K023/04

ABSTRACTED-PUB-NO: FR 2617344A

BASIC-ABSTRACT: Each permanent magnet pole piece (4) of an electric motor's stator (1) is formed of a selected alloy powder which is moulded either with a suitable binder, or under pressure, to match its location in the stator frame. Bevelled openings (3) are provided in the latter adjacent to each such location, and the pole pieces have stepped ends.

Each pole piece (4) is encapsulated by in-situ injection moulding of a suitable magnetic plastic (6). This fills the openings (3) and forms a thin skin (5) over the pole piece face which leaves the associated magnetic circuit unaffected. Its end sections (6) and skin (5) secure the pole pieces in place,

simultaneously giving protection against atmospheric contamination where a corrosive environment exists.

ADVANTAGE - Encapsulation system for powder-formed permanent magnet poles both secures them firmly in place and protects iron elements from atmospheric contamination.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS:

MOTOR STATOR ENCAPSULATE POWDER BASED MAGNET OPEN FRAME BEVEL  
PROFILE FILLED  
RESIN ENCAPSULATE POLE MAGNET

DERWENT-CLASS: V06 X11

EPI-CODES: V06-M; X11-F; X11-G; X11-J01A;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1989-042640